

**ABSTRACT**

A method of assembling an object using a component, the component having an interface surface having coded data disposed thereon or therein, each coded data portion being indicative of an identity of the component, wherein the method includes, in a sensing device:

- 5       (a) sensing coded data on the component;
- (b) generating, using the sensed coded data, indicating data indicative of the identity of the component; and,
- (c) transferring the indicating data to at least one of:
  - 10       (i)     an assembly system which is responsive to the indication to assemble the object; and,
  - (ii)    a computer system which is responsive to the indication to cause an assembly system to assemble the object.